| FORM PTO-1390<br>MODIFIED |             | 1390 U.S. DEPARTMENT  | OF COMMERCE PATENT AND TRADEMARK OFFICE  | ATTORNEY SUDOCKET NUMBER 10 19 JUL 2000<br>620-421   |  |  |  |  |  |  |  |  |
|---------------------------|-------------|---|--|--|--|--|--|--|--|--|--|--|
|                           | <del></del> |   | ER TO THE UNITED STATES CTED OFFICE (DO/EO/US)   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)   |  |  |  |  |  |  |  |  |
|                           |             |   | LING UNDER 35 U.S.C. 371   | 10/570,487   |  |  |  |  |  |  |  |  |
| INTEF                     |             | IONAL APPLICATION NO.   | INTERNATIONAL FILING DATE  | PRIORITY DATE CLAIMED                                |  |  |  |  |  |  |  |  |
|                           | P(          | CT/GB2004/003854  | 9 September 2004   | 12 September 2003                                    |  |  |  |  |  |  |  |  |
|                           |             | INVENTION OSITIONS COMPRISING A   | FRAGMENT OF THE HERPESVIRAL PROT   | TEIN VP22 FOR DELIVERY OF SUBSTANCES TO              |  |  |  |  |  |  |  |  |
| APPL                      | ICAI        | NT(S) FOR DO/EO/US  | O'HARE ET AL.  |  |  |  |  |  |  |  |  |  |
| Applic                    | cant        | herewith submits to the Unite   | ed States Designated/Elected Office (DO/EO/  | US) the following items and other information:       |  |  |  |  |  |  |  |  |
| 1.                        |             | This is a <b>FIRST</b> submission   | of items concerning a submission under 35 L  | J.S.C. 371.  |  |  |  |  |  |  |  |  |
| 2.                        | $\boxtimes$ | This is a <b>SECOND</b> or <b>SUB</b> ?   | SEQUENT submission of items concerning a   | submission under 35 U.S.C. 371.                      |  |  |  |  |  |  |  |  |
| 3.                        |             | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. |  |  |  |  |  |  |  |  |  |  |
| 4.                        |             | The U.S. has been elected   | (Article 31).  |  |  |  |  |  |  |  |  |  |
| 5.                        | A co        | py of the International Applic  | cation as filed (35 U.S.C. 371(c)(2).  |  |  |  |  |  |  |  |  |  |
| 1                         | a.          | is attached hereto (  | pages specification, claims & abstract (   | claims), sheets drawings).                           |  |  |  |  |  |  |  |  |
| ſ                         | b.          | has been communicate  | ted by the International Bureau.   |  |  |  |  |  |  |  |  |  |
| (                         | C.          | is not required, as the   | application was filed in the United States Red   | ceiving Office (RO/US).                              |  |  |  |  |  |  |  |  |
| 6.                        |             | An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))   |  |  |  |  |  |  |  |  |  |  |
|                           | a.<br>Certi | is attached hereto (ficate of Translation).   | pages specification, claims & abstract (   | claims), sheets drawings, page                       |  |  |  |  |  |  |  |  |
| ļ                         | b.          | has been previously s   | submitted under 35 U.S.C. 154(d)(4).   |  |  |  |  |  |  |  |  |  |
| 7.                        |             | Amendments to the claims  | of the International Application under PCT Art   | ticle 19 (35 U.S.C. 371(c)(3)                        |  |  |  |  |  |  |  |  |
|                           | a.          | are attached hereto (r  | required only if not communicated by the Inter   | national Bureau).                                    |  |  |  |  |  |  |  |  |
| <b>4</b>                  | b.          | have been communic  | ated by the International Bureau.  |  |  |  |  |  |  |  |  |  |
|                           | C.          | ☐ have not been made;   | however, the time limit for making such amen   | idments has NOT expired.                             |  |  |  |  |  |  |  |  |
| •                         | d.          | have not been made a  | and will not be made.  |  |  |  |  |  |  |  |  |  |
| 8.                        |             | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3).  |  |  |  |  |  |  |  |  |  |  |
| 9.                        | a.          | a. 🛮 An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4).  |  |  |  |  |  |  |  |  |  |  |
|                           | b.<br>Form  |   | nitted to the International Bureau during Intern<br>T/IB/371 and first page of printed publication | ` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '              |  |  |  |  |  |  |  |  |
|                           | 2. 37       | 1(c)(5).  |  | ninary Examination Report under PCT Article 36 (35   |  |  |  |  |  |  |  |  |
|                           | item<br>—   |   | document(s) or information included:   |  |  |  |  |  |  |  |  |  |
| 11.                       |             |   | Statement under 37 C.F.R. 1.97 and 1.98.   |  |  |  |  |  |  |  |  |  |
| 12.                       | $\boxtimes$ | An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.  |  |  |  |  |  |  |  |  |  |  |
|                           | a.<br>b.    | <ul><li>☐ A FIRST preliminary a</li><li>☐ A SECOND or SUBSE</li></ul>   | amendment. EQUENT preliminary amendment.   | •  |  |  |  |  |  |  |  |  |
| 14.                       |             | An Application Data Sheet under 37 C.F.R. § 1.76.   |  |  |  |  |  |  |  |  |  |  |
| 15.                       |             | A substitute specification.   |  |  |  |  |  |  |  |  |  |  |
| 16.                       |             | A change of power of attorney and/or address letter.  |  |  |  |  |  |  |  |  |  |  |
| 17.                       |             | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.  |  |  |  |  |  |  |  |  |  |  |
| 18.                       |             | A second copy of the published international application under 35 U.S.C. 154(d)(4).   |  |  |  |  |  |  |  |  |  |  |
| 19.                       |             | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).   |  |  |  |  |  |  |  |  |  |  |
| 20.                       | $\boxtimes$ | Other items or information.   | Amendment: Submission & conies of referen  | nces listed on PTO-1449 Form filed 3/3/2006; paper & |  |  |  |  |  |  |  |  |

| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br>10/570,487                       |  |   |  |                   | IN <sup>-</sup>  | INTERNATIONAL APPLICATION NO. AT PCT/GB2004/003854 |   |              | ATTO                       | ORNEY'S DOCKET NUMBER 620-421 |            |               |     |   |
|--|--|---|--|-------------------|------------------|--|---|--------------|----------------------------|-------------------------------|------------|---------------|-----|---|
| $\square$  | <del>- , ,</del>   | <del></del>                             |  | ibmitted:         |                  |  | C 17GB200470                            | 0303         |                            | <del></del>                   |            |               |     |   |
| ∑ The following fees are submitted:     BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): |  |   |  |                   |                  |  |   |              |                            |                               |            |               |     |   |
| 21.  |  |   |  |                   |                  |  |   |              | 31)                        | \$                            |            |               |     |   |
| 22.  |  |   |  |                   |                  |  |   | •            |                            |                               |            |               |     |   |
|  | \$200.00 (1633)/\$100.00 (2633)  |   |  |                   |                  |  |   |              | \$                         |                               |            |               |     |   |
| 23. 🗌  |  |   |  |                   |                  |  |   |              | \$0 (1640/26               |                               |            |               |     |   |
| 26.  |  |   |  |                   |                  |  |   |              | 100 (1641)/\$50 (26        | •                             |            |               |     |   |
|  | •••••  | • | • • • • • • • • • • • • •  |                   | •••••            |  | • | \$40         | 00 (1642)/\$200 (26        | ,<br>42)                      |            |               |     |   |
|  | \$400 (1642)/\$200 (2642)<br>\$500.00 (1632)/\$250.00 (2632)   |   |  |                   |                  |  |   |              |                            | \$                            |            |               |     |   |
|  |  |   |  |                   |                  |  | TOTAL OF                                | ABO          | VE CALCULATIO              | NS                            | \$         | 0.00          |     |   |
|  | Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of |   |  |                   |                  |  |   |              |                            |                               |            |               |     |   |
| Total C  | <del></del>  | fraction th                             |  | Number            | of each additi   | iona   | I EO or                                 |              | DATE                       |                               |            |               |     |   |
| Total S  | oneets   | Extra S                                 | tra Sheets Number of each additional 50 or RATE fraction thereof (round up to a whole number |                   |                  |  |   |              |                            |                               |            |               |     |   |
| 0  | -100   | 0                                       | /50 =  | 0.00              |                  | _  |   | \$0.0        | 00 (1681)                  |                               | \$         |               |     |   |
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| Surchard   | ne of \$13   | 0.00 (16                                | 17)/\$65   | . <b>nn</b> (2617 | ) for furnishing | na ti  | he cath or dec                          | larati       | ion later than 🔲 30        | months                        | H          |               | GW. |   |
|  |  |   |  |                   | D.F.R. 1.492(    | _  |   | <i>Juliu</i> |                            | 7111011(110                   | \$         |               |     |   |
|  | AIMS   |   |  | FILED             | # EXTRA          | ĺ  |   |              | RATE                       |                               |            |               |     |   |
| Total Cla  | aims   |   | m  | ninus 20<br>=     | 0 X              | \$5  | 50.00 (1615)/                           |              | \$25.00 (2615)             |                               | \$         |               |     |   |
| Independ   | dent Clai  | ms                                      | m  | inus 3 =          | 0 X              | \$2  | 200.00 (1614)                           |              | \$100.00 (2614)            |                               | \$         |               |     |   |
| MULTIPI  | LE DEPE  | NDENT                                   | CLAIM  | S(S) (if ap       | oplicable)       |  | \$360.00                                | (161         | 6)/\$180.00 (2616)         |                               | \$         | 0.00          |     |   |
|  |  |   |  |                   |                  |  |   |              | date of this paper         |                               |            |               |     |   |
|  |  |   |  |                   | -                |  | -                                       |              | nth Extensions \$45        |                               |            |               |     |   |
| \$1590.00  | •  | •                                       |  | nun Extens        | SIONS \$1020.    | 00 (   | (1253/ֆ510.00                           | 7 (225       | 53); Four Month Ex         | lensions                      | $ _{s} $   | 0.00          | 11  |   |
|  |  | •                                       | · · · · · · · · · · · · · · · · · · ·  | status. Se        | ee 37 CFR 1.     | .27.   |   |              |                            |                               |            | 0.00          |     |   |
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| months f   | from the o   | earliest c                              | laimed   | priority da       | ate (37 C.F.R    | i. 1.  | 492(f).                                 |              | +                          |                               |            | 0.00          |     |   |
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|  | _  |   |  | _                 | •                |  | (n). The assignment (8021) per pro      | _            | nt must be accomp          | banied by                     | ا ہ        | 40.00         |     |   |
|  |  |   |  | <del></del>       |                  |  |   |              | 453) / <b>\$750.00</b> (24 | 53)                           | \$         | 40.00<br>0.00 |     |   |
|  |  |   |  | ttionany r        | 1041100110011    | PP   |   | <del></del>  | TAL FEES ENCL              |                               | \$         | 40.00         |     |   |
|  | · · · · · · · · · · · · · · · · · · ·  |   | <u> </u>   |                   |                  |  | - · · · · · · · · · · · · · · · · · · · | . •          |                            |                               |            | ount to be:   |     |   |
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| U.S. Application No.10/570,487; Atty [  | Ocket No.620-421                |                     |               |      |  |  |  |  |
|---|---------------------------------|---------------------|---------------|------|--|--|--|--|
| a. A check in the amount of \$40.00 to 6  b. Please charge my Deposit Account N   | No. 14-1140 in the amount of \$ |                     | S.            |      |  |  |  |  |
| A duplicate copy of this form is enclosed.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.   |                                 |                     |               |      |  |  |  |  |
| d. CREDIT CARD PAYMENT FORM ATTACHED.  e. S The entire content of International Application No. PCT/GB2004/003854 and any U.S. and foreign application(s) corresponding thereto, and GB 0321311.3, referred to in this application is/are hereby incorporated by reference in this application. |                                 |                     |               |      |  |  |  |  |
| NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.  CORRESPONDENCE ADDRESS  |                                 |                     |               |      |  |  |  |  |
| Direct all correspondence to:   |                                 |                     |               |      |  |  |  |  |
|   | 23117                           |                     |               |      |  |  |  |  |
|   | Type Customer Number here       | -2.33 <u>-</u> 2.   |               |      |  |  |  |  |
|   |                                 | Band                | ly            |      |  |  |  |  |
| Telephone: (703) 816-4000   |                                 | B. J. Sadoff        |               | 3000 |  |  |  |  |
| BJS:pp  |                                 | NAME                |               |      |  |  |  |  |
|   |                                 | 36,663              | July 19, 2006 |      |  |  |  |  |
|   |                                 | REGISTRATION NUMBER | Date          |      |  |  |  |  |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

O'HARE ET AL. Atty. Ref.: 620-421

Serial No. 10/570,487 Group: Unknown

Filed: March 3, 2006 Examiner: Unknown

For: COMPOSITIONS COMPRISING A FRAGMENT OF THE HERPESVIRAL

PROTEIN VP22 FOR DELIVERY OF SUBSTANCES TO CELLS

July 19, 2006

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

## **SUBMISSION**

Submitted herewith is a copy of the references listed on the PTO-1449 Form and in the International Search Report, copies of which were filed with the application on March 3, 2006. Return of an initialed copy of the PTO-1449 Form filed March 3, 2006, pursuant to MPEP Section 609, is requested.

Respectfully submitted,

**NIXON & VANDERHYE P.C.** 

By:

B. J. Sadoff Reg. No. 36,663

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Facsimile: (703) 816-4100